

Abstract of the Disclosure

A method of correcting distortions resulting from loss and dispersion in cable fault measurements. A cable is measured in the frequency domain to obtain a reflected response. Fractional sinusoidal components of the reflected response having attenuated amplitude and delayed phase values at points defining the junctures of adjacent equal predetermined lengths are collected and normalized. Then the fractional sinusoidal components of the reflected response are extracted from normalized sum by mathematically calculating the real value at each point, thereby removing all loss and dispersion distortion components.